Service
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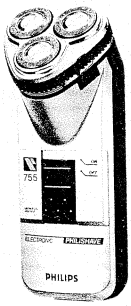
HS705/A
HS755/A
HS705/B
HS755/B



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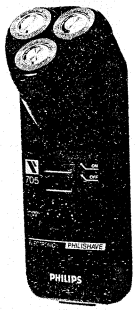

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Domestic Appliances and Personal Care Division

Service Manual

HINTS FOR REPAIRS

A. Disassembly

- Remove shaving unit, to prevent damages during a repair.
- Remove the screws A1 (4×).
- Put the shaver on the table and remove the cover from the shaver.
- Pull the connecting leads out of the terminals on the bearing block of the motor and remove the p.c.-board.
- Loosen the motor clamping springs on the bearing block with a small screwdriver.
- Remove the motor.
- Remove the screws A2 (2×).
- Unlock the peg clamping (3×) between frame and hair chamber.
- Remove the gearwheels and trimmer drive.
- To remove the trimmer it must be in the "on"-position. Make room between trimmer and cover with a small screwdriver, to release the peg fastening, and pull the trimmer out.
- The trimmer release button can be removed from the cover by bending the locking pegs inwards.

B. Assembly

- The assembly must be carried out in the reverse order of what is described under A. Disassembly.

CAUTION!
WHILE CHECKING THE P.C.-BOARD REMEMBER THAT MOST COMPONENTS AND THE MOTOR ARE ENERGIZED BY MAINS VOLTAGE.

Documentation Technique Service Dokumentation Documentazione di Servizio Huolte-Ohje Manual de Servicio Manual de Serviçic

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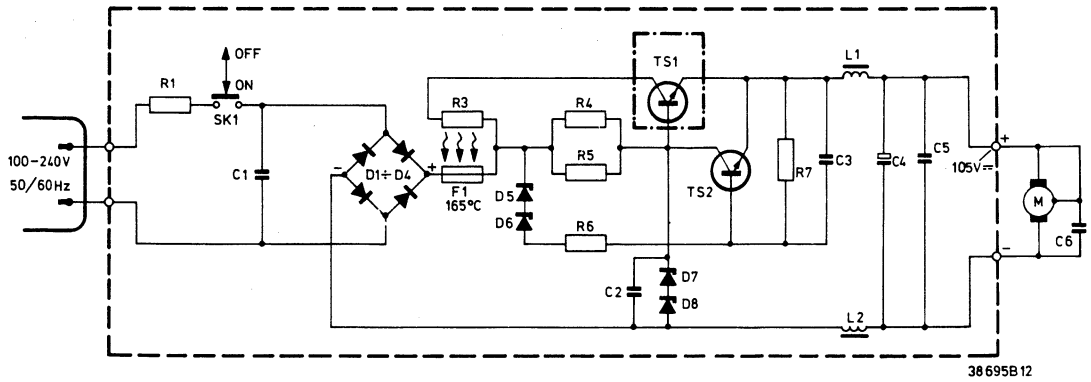

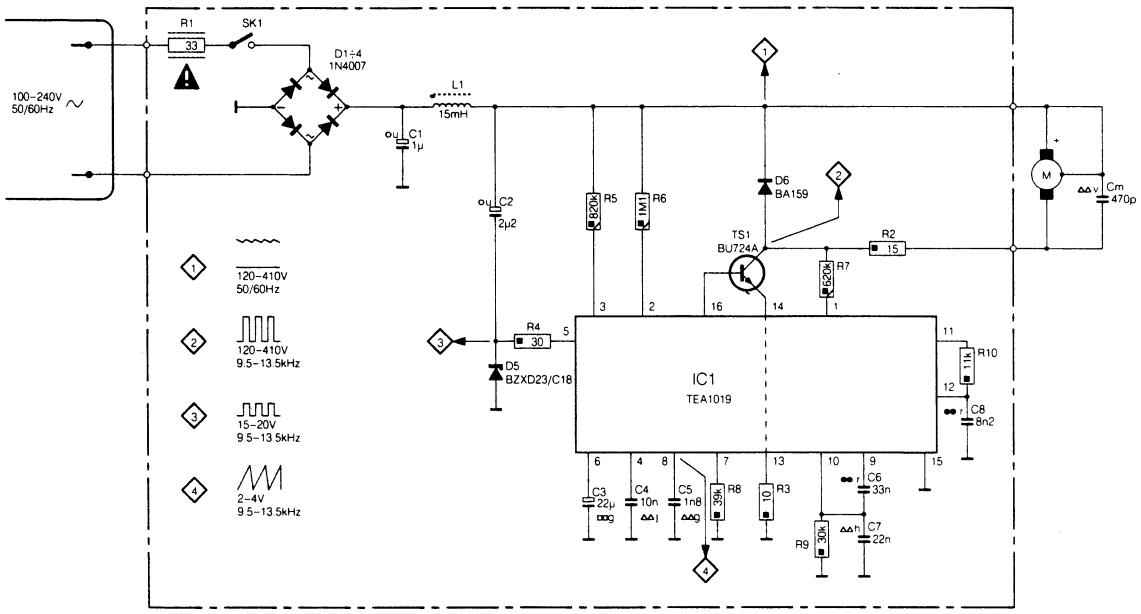

TECHNICAL DATA /A-VERSIONS

Voltage	: 100-240 V 50/60 Hz
Power consumption	: voltage depending
Motor voltage	: 105 V ⎓
Power supply	: SDPS-mode
Speed of cutters	: ⩾ 2100 r.p.m.
Shaving heads	: HP1915/G-4822 690 30309

The SDPS-unit (Semi-Dissipation Power Supply) operates as follows:

a. With a mains voltage of up to 140-175 V (dependent on the spreading of the components applied) the Darlington transistor TS1 will stabilize the voltage at 105 V ⎓, being the working voltage of the motor. Zener diodes D7 and D8 provide for the setting of TS1. The surplus power is dissipated as heat through the heat sink.

b. With a higher mains voltage the dissipation would become too great, and in that case TS1 will be periodically switched off by TS2. Zener diodes D5 and D6 provide for the setting of TS2.

c. In case of a possible short circuit safety resistor R1 will come into operation; in case of a long-lasting overload the series resistor R3 will produce so much heat that the thermal fuse F1 will be activated.

TECHNICAL DATA /B-VERSIONS

Voltage	: 100-240 V 50/60 Hz
Power consumption	: Motor depending
Motor voltage	: 54 V ⎓
Power supply	: SMPS-mode
Speed of cutters	: ⩾ 2100 r.p.m.
Shaving heads	: HP1915/G-4822 690 30309

The functions of the SMPS-unit (Switched Mode Power Supply) are the following:

a. Changes the connected mains voltage into a DC voltage for the supply of the motor through a switching transistor.

b. Controls the average supply voltage of the motor so that the rpm remains constant with a heavier load (e.g. due to heavy beard or polluted shaving heads.)

c. When the motor is blocked, it limits the current flowing through the motor.

d. Prevents the SMPS-unit from being damaged in case of a short circuit.

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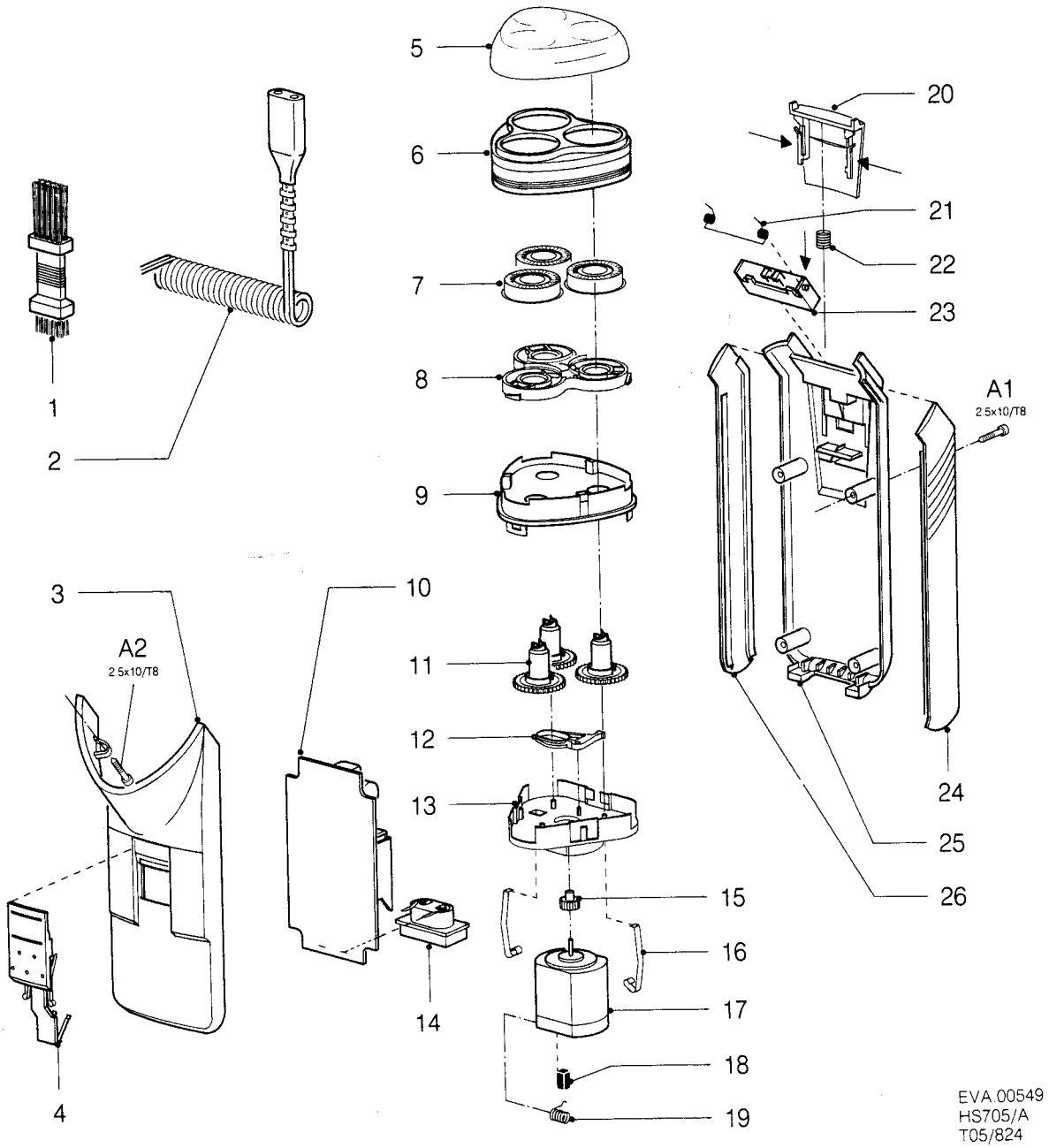

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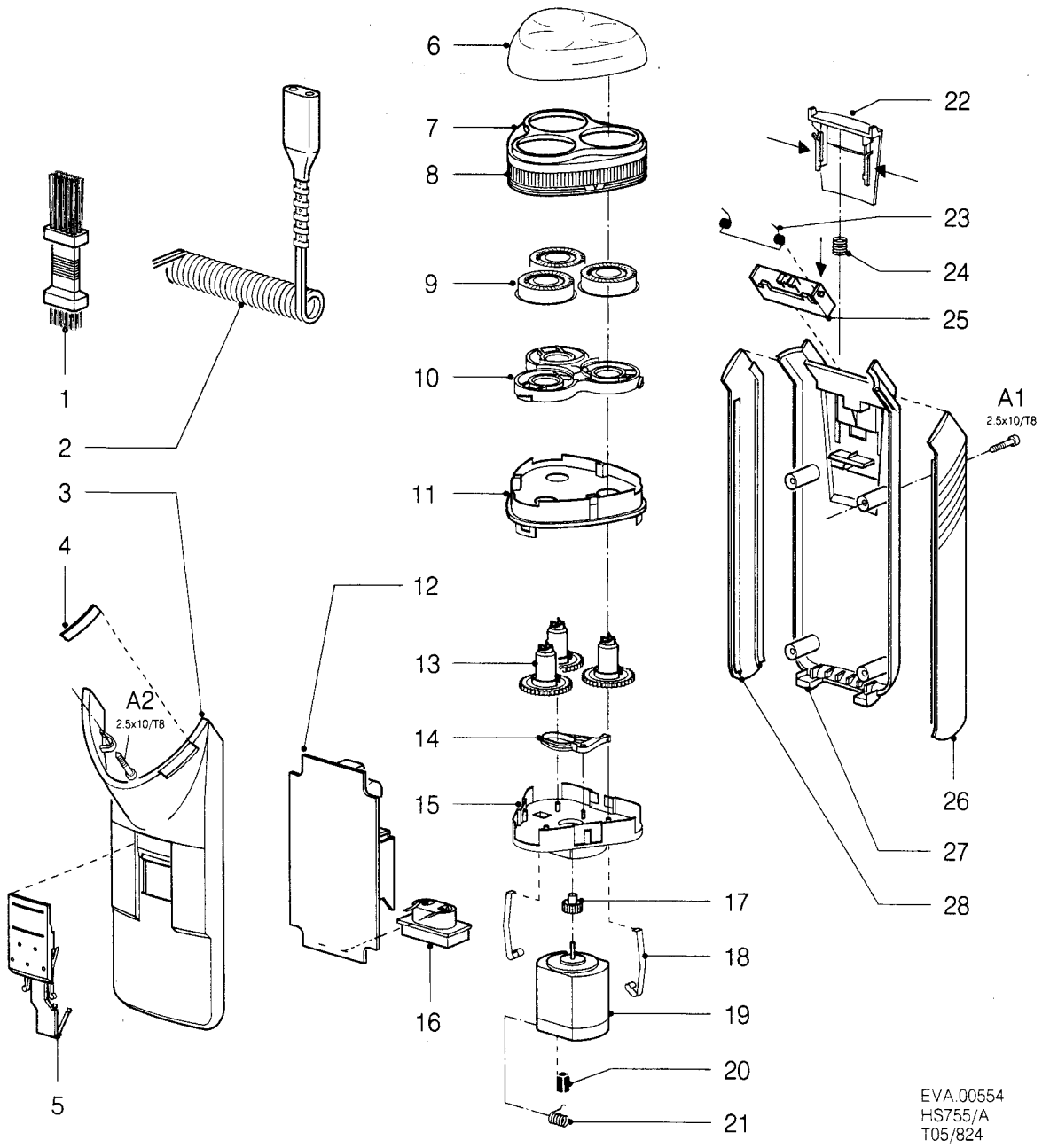

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